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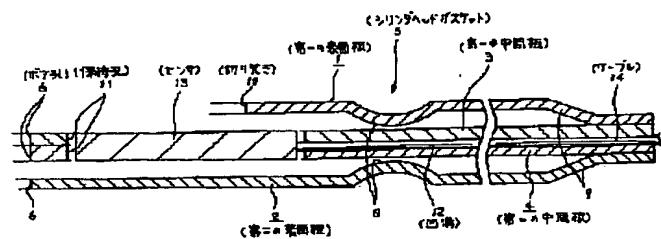
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TITLE : CYLINDER HEAD GASKET WITH
SENSOR



ABSTRACT : PROBLEM TO BE SOLVED: To detect directly the oscillation generated in a cylinder, by forming a holding hole to the peripheral part of a bore hole of a cylinder head gasket, where a sensor is housed, and drawing out a signal cable from a passage formed on the outer peripheral edge of the cylinder head gasket to the outer side.

SOLUTION: A cylinder head gasket 5 is composed by laminating front plates 1 and 2, and middle plates 3 and 4, and a bore hole 6 is formed at the position matched to the cylinder hole of a cylinder block. In this case, a notching 10 is formed to a part positioning to the peripheral edge of the bore 6, at a part of the front plate 1. And a holding hole 11 is formed at the position conforming to a part of the notch 10 at the parts of the middle plates 3 and 4, and a recessed groove 12 to communicate the outer peripheral edge of the middle plate 4 and the holding hole 11 on one side surface of the middle plate 4 and opposing to the middle plate 3. And a sensor 13 to detect a knocking is housed to the holding hole 13, and a cable 14 connected to the sensor 13 is picked out to the outer side of the cylinder head gasket 5, through the recessed groove 12.

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